

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method of transmitting a progressive video sequence ~~(20)~~ comprising steps of:
interlacing the video signal ~~(20)~~;
separating the video signal ~~(20)~~ into multiple streams of video signals ~~(20)~~;
encoding the streams of video signals ~~(20)~~ using a plurality of encoders ~~(304,306)~~; and
transmitting the separate streams of encoded signals to a network.
2. (Currently Amended) The method of claim 1 wherein the step of separating the video signal ~~(20)~~ into multiple streams comprises separating the video signal ~~(20)~~ into a stream of odd fields ~~(32)~~ and a stream of even fields ~~(34)~~.
3. (Currently Amended) A method of receiving a progressive video sequence ~~(20)~~ comprising the steps of:
receiving separate streams of encoded signals from a network;
decoding the separate streams of video signals ~~(20)~~ using a plurality of decoders ~~(322,324)~~;
de-interlacing the video signals ~~(20)~~ using a de-interlacer ~~(326)~~; and
regrouping the streams to form a progressive video sequence ~~(20)~~.
4. (Currently Amended) The method of claim 3 wherein the progressive video sequence ~~(20)~~ comprises a series of video images and wherein the de-interlacer ~~(326)~~ reconstructs a corrupted image based on one or multiple received neighboring images.

5. (Currently Amended) The method of claim 4 wherein the de-interlacer ~~(326)~~ reconstructs the corrupted signal using temporal information from the received signals.

6. (Currently Amended) The method of claim 3, wherein the de-interlacer ~~(326)~~ reconstructs the corrupted signal using spatial and temporal information from the received signals.

7. (Currently Amended) An improved method of receiving progressive video comprising:

receiving the encoded streams at a receiver ~~(320)~~;
decoding the received streams of video; and
reconstructing any portions of missing fields using de-interlacing algorithms.

8. (Original) The method of claim 7 wherein the de-interlacing algorithms employ spatial and temporal information from the received streams to reconstruct the missing fields.

9. (Currently Amended) The method of claim 8 wherein the step of separating the video comprises separating the video into a stream of odd fields ~~(32)~~ and a stream of even fields ~~(34)~~ wherein the odd fields ~~(32)~~ comprise odd scanning lines of the video and the even fields ~~(34)~~ comprise even scanning lines of the video.

10. (Currently Amended) A device for communicating a progressive video sequence ~~(20)~~ to a network comprising:

means for interlacing the video sequence ~~(20)~~;
means for splitting the interlaced sequence into multiple streams of signals;
means for separately encoding the multiple streams of signals; and

means for transmitting the multiple streams of encoded signals over independent channels ~~(308, 310)~~.

11. (Currently Amended) A device for receiving a progressive video sequence ~~(20)~~ from a network comprising:

means for receiving multiple streams of encoded signals;

means for separately decoding the multiple streams of signals;

means for de-interlacing the decoded streams of signals; and

means for regrouping the decoded streams into the video sequence ~~(20)~~.

12. (Original) The device of claim 11 wherein the means for de-interlacing uses temporal information to reconstruct a corrupted signal.

13. (Original) The device of claim 11, wherein the means for de-interlacing uses spatial and temporal information from the received corrupted signals.

14. (Currently Amended) The receiver ~~(320)~~ of claim 11, wherein de-interlacing is performed to reconstruct a signal that was corrupted during its transmission over the network.